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Art Unit: 2112 Examiner: Kent L. Williams
IBM Docket: RPS920030220US1 (4036)

AMENDMENT OF THE CLAIMS

1.   (Currently Amended) A method for booting via a selected bootable image on a remote client on a network, the method comprising:

selecting the bootable image comprising software to determine the trustworthiness of a software application on a maintenance server prior to executing the software application, for the remote client;

generating a wake-on-LAN packet with a partition identification, the partition identification being associated with a location of the bootable image, ~~wherein~~to identify the location ~~is accessible by~~within a local resource of the remote client; and

transmitting the wake-on-LAN packet to the remote client to wake up the remote client and to instruct a pre-boot application of the remote client to boot via the bootable image.

2.   (Original) The method of claim 1, wherein selecting the bootable image comprises selecting the bootable image from a drive, the drive being internal to the remote client.

3.   (Original) The method of claim 1, wherein selecting the bootable image comprises selecting the bootable image from a secure resource of the remote client.

4.   (Original) The method of claim 3, wherein selecting the bootable image from the secure resource comprises selecting the bootable image from a hidden partition associated with the remote client.

5.   (Original) The method of claim 1, wherein selecting the bootable image comprises selecting a representation of a bootable image, the representation to be associated with the bootable image by the remote client.

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6.　(Original) The method of claim 1, wherein generating the wake-on-LAN packet comprises extending the wake-on-LAN packet with the partition identification.

7.　(Original) The method of claim 1, wherein generating the wake-on-LAN packet comprises generating a parameter to associate with the partition identification to provide a post-boot instruction to the remote client.

8.-11. (Cancelled)

12.　(Currently Amended)　The ~~service~~method of claim 1[[8]], wherein transmitting comprises broadcasting the wake-on-LAN packet to the remote client and at least one other remote client.

13.　(Currently Amended) A data processing system for booting via a selected bootable image on a remote client on a network, the system comprising:

a server computer system in communication with at least one client computer system, the server computer system comprising a processor capable of selecting the bootable image <u>that comprises software to determine the trustworthiness of a software application on a maintenance server prior to executing the software application,</u> for the remote client;

wherein the server computer system is capable of generating a wake-on-LAN packet with a partition identification, the partition identification being associated with a location of the bootable image, ~~wherein~~<u>to identify</u> the location ~~is accessible by~~<u>within a local resource of</u> the remote client;

wherein the server computer system is capable of transmitting the wake-on-LAN packet to the remote client to wake up the remote client and to instruct a pre-boot application of the remote client to boot via the bootable image; and

a database, the database comprising an indication of one or more clients and the status of their wake-on-LAN functionality.

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14.   (Original) The data processing system of claim 13, further comprising an Ethernet network coupled to the server computer system and the at least one client computer system.

15.   (Currently Amended) A machine-accessible medium containing instructions, which when executed by a machine, cause said machine to perform operations, comprising:

selecting a bootable image <u>that comprises software to determine the trustworthiness of a software application on a maintenance server prior to executing the software application,</u> for a remote client;

generating a wake-on-LAN packet with a partition identification, the partition identification being associated with a location of the bootable image, ~~wherein~~<u>to identify</u> the location ~~is accessible by~~<u>within a local resource of</u> the remote client; and

transmitting the wake-on-LAN packet to the remote client to wake up the remote client and to instruct a pre-boot application of the remote client to boot via the bootable image.

16.   (Original) The machine-accessible medium of claim 15, wherein selecting the bootable image comprises selecting the bootable image from a secure resource of the remote client.

17.   (Original) The machine-accessible medium of claim 15, wherein generating the wake-on-LAN packet comprises extending the wake-on-LAN packet with the partition identification.

18.   (Original) The machine-accessible medium of claim 15, wherein transmitting comprises broadcasting the wake-on-LAN packet to the remote client and at least one other remote client.

19.   (Cancelled).

20.   (Currently Amended) An apparatus for booting via a bootable image selected by a remote server on a network, the apparatus comprising:

a packet parser to identify a partition identification associated with the bootable image in a wake-on-LAN packet, the partition identification being associated with a location of the bootable image<u> within a local resource of the apparatus</u>; ~~and~~

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partition identification logic coupled with the packet parser to store the partition identification in a memory location, the memory location to maintain the partition identification to instruct the boot manager to boot via the bootable image; and

pre-boot logic to implement an alternative boot sequence of booting from a default bootable image to boot from the bootable image at the location within the local resource in response to the presence of the partition identification in the memory location, to execute software to determine the trustworthiness of a software application on a maintenance server prior to executing the software application.

21.   (Original) The apparatus of claim 20, further comprising pre-boot logic to scan the memory location to determine the presence of the partition identification and to instruct a boot manager to boot via the bootable image in response to the presence of the partition identification.

22.   (Original) The apparatus of claim 20, further comprising a packet authenticator to authenticate the wake-on-LAN packet.

23.   (Original) The apparatus of claim 22, wherein the packet authenticator is designed to decrypt the wake-on-LAN packet with a private key.

24.   (Original) The apparatus of claim 20, wherein the packet parser is configured to parse the wake-on-LAN packet to identify the partition identification.

25.   (Original) The apparatus of claim 20, wherein the packet parser is configured to identify an extension attached to the wake-on-LAN packet as the partition identification.

26.   (Original) The apparatus of claim 20, wherein the partition identification logic is configured to store the partition identification in non-volatile memory.

27.   (Currently Amended) A method for booting via a bootable image selected by a remote server on a network, the method comprising:

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identifying, by a client computer system, a partition identification associated with the bootable image in a wake-on-LAN packet, the partition identification being associated with a location of the bootable image;

storing, by the client computer system, the partition identification in a memory location of the client computer system, the memory location to maintain the partition identification to instruct [[the]]a boot manager of the client computer system to boot via the bootable image;

scanning the memory location to determine the presence of the partition identification; and

booting via the bootable image as an alternative boot sequence of booting from a default bootable image in response to the presence of the partition identification from the bootable image at the location within the local resource in response to the partition identification in the memory location, to execute software to determine the trustworthiness of a software application on a maintenance server prior to executing the software application.

28.   (Original) The method of claim 27, further comprising authenticating the wake-on-LAN packet.

29.   (Original) The method of claim 28, wherein authenticating the wake-on-LAN packet comprises decrypting the wake-on-LAN packet with a private key.

30.   (Original) The method of claim 27, wherein identifying the partition identification comprises parsing the wake-on-LAN packet to identify the partition identification.

31.   (Original) The method of claim 27, wherein identifying the partition identification comprises identifying an extension attached to the wake-on-LAN packet as the partition identification.

32.   (Original) The method of claim 27, wherein storing comprises storing the partition identification in non-volatile memory.

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33.   (Original) The method of claim 27, wherein booting comprises loading the bootable image from a PARTIES partition.

34.   (Original) The method of claim 27, wherein booting comprises identifying a parameter associated with the partition identification as a post-boot instruction.

35.   (Currently Amedned) A machine-accessible medium containing instructions, which when executed by a machine, cause said machine to perform operations, comprising:

identifying, by the machine, a partition identification associated with a bootable image in a wake-on-LAN packet, the partition identification being associated with a location of the bootable image;

storing, by the machine, the partition identification in a memory location of the machine, the memory location to maintain the partition identification to instruct the boot manager to boot via the bootable image;

scanning, by the machine, the memory location to determine the presence of the partition identification; and

booting, by the machine, via the bootable image as an alternative boot sequence of booting from a default bootable image in response to the presence of the partition identification from the bootable image at the location within the local resource in response to the partition identification in the memory location, to execute software to determine the trustworthiness of a software application on a maintenance server prior to executing the software application.

36.   (Original) The machine-accessible medium of claim 35, wherein the operations further comprise authenticating the wake-on-LAN packet.

37.   (Original) The machine-accessible medium of claim 35, wherein booting comprises loading the bootable image from a hidden partition.